

Mer-Krete™ 7d10 Multi Purpose EGP Thin Set Mortar

MULTI PURPOSE POLYMER MODIFIED PORTLAND CEMENT EGP MORTAR WITH DUST LESS TECHNOLOGY

1. PRODUCT NAME

7d10 Multi Purpose EGP Thin Set Mortar

Multi Purpose Polymer Modified Portland Cement Flexible EGP Mortar with Dust Less Technology

2. MANUFACTURER

Mer-Krete Systems

501 Van Ness Avenue

Torrance, CA 90501

PH (323) 775-2461

FAX (310) 320-4938

(800) 851-6303

www.merkrete.com

3. PRODUCT DESCRIPTION

BASIC USE

Mer-Krete 7d10 Multi Purpose Thin Set is a premium grade polymer modified Portland cement (EGP) thin-set mortar using innovating Dust Less Mortar Technology. **Mer-Krete 7d10 Multi Purpose Thin Set** improves job site air quality conditions without sacrificing product workability or performance when installing ceramic tile and natural stone.

USES

Mer-Krete 7d10 Multi Purpose Thin Set can be used as a thin set mortar for ceramic tile and natural stone for both walls and floors in interior and exterior applications. It is recommended for use in the thin set installation method for absorptive, semi-vitreous, vitreous tile and impervious ceramic tile such as porcelain tile and natural stone over properly prepared masonry, concrete, cement backer board, and existing ceramic tile. In interior dry areas, it is suitable for gypsum board and plywood substrates. It is to be used as a thin-set from 3/32" to 1/2" after the tiles have been properly beat in. **Mer-Krete 7d10 Multi Purpose Thin Set** is suitable for both residential and commercial construction.

ADVANTAGES

Dust Less Mortar Technology

Improves jobsite cleanliness and air quality.

Ideal for porcelain tile.

Freeze thaw stable

Interior and exterior

Bonds to most surfaces

Available in both gray and white colors.

ISO 9001-2000 Certified

TCNA Lab Tested Material

Exceeds ANSI A 118.4 for Latex Portland Cement Mortar and 118.11 for

EGP Latex Portland Cement Mortar.

SUITABLE SUBSTRATES

Concrete

Cement Mortar Beds

Ceramic Tile and Stone

Cement Backer Board**

Exterior Grade Plywood*

Gypsum Mortar Bed***

Concrete Masonry

Cement Plaster

Brick Masonry

Cement Terrazzo

Gypsum Wallboard*

*Interior Use Only

**Consult cement backer board manufacturer for installation recommendations and to verify acceptability for exterior use.

*** **Mer-Krete's Fracture-Guard 5000** crack isolation membrane is required for this installation. Consult Mer-Krete's Technical Department for gypsum mortar bed recommendation over **Mer-Krete Fracture-Guard 5000** membrane.

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E-mail: info@merkrete.com

For the latest and most current product information, make sure to visit our website at: www.merkrete.com



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REV 4/08

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LIMITATIONS

Do not use **7d10 Multi Purpose Thin Set** below 40°F (4°C) or above 95°F (35°C). Use caution; do not allow mortar to freeze for the first 72 hours. Do not soak tiles previous to installation. **7d10 Multi Purpose Thin Set** must not be used to apply over asphalt sheeting, vinyl covered wall board, Masonite®, cement asbestos board, metal, glass, plastic, or other unstable substrates. Improperly cured or wet plywood, particle board or strip wood are not suitable substrates. Installations that will be continually wet like swimming pools, fountains and gang showers, the completed installation should be cured a minimum of 14 days and allowed to dry before exposure to water. For white or light colored marbles use **7d10 Multi Purpose Thin Set White** mortar. Some dimensional stone tile like green and red marbles may warp when installed with water based setting materials. These water sensitive stone tiles should be installed with **Mer-Krete ProEpoxy**. For use of **7d10 Multi Purpose Thin Set** over additional substrates or situations not mentioned in these instructions, contact Mer-Krete's Technical department.

4. TECHNICAL DATA

APPLICABLE STANDARDS

Mer-Krete's 7d10 Multi Purpose Thin Set meets or exceeds industry requirements ANSI A118.4 for Latex Portland Cement Mortar and 118.11 for EGP Latex Portland Cement Mortar. Follow ANSI A108.5 for installation.

5. INSTALLATION

SURFACE PREPARATION

All surfaces must be between 40°F (4°C) to 95°F (35°C) and structurally sound (deflection not to exceed 1/360 of the span), dry clean and free from oil, grease, wax, paint, old adhesives, sealers and curing compounds. Any contaminates which inhibit proper bond must be removed. Substrate preparation should be completed following ANSI A108.01 (General Requirements: Subsurfaces and Preparation by Other Trades). All substrates should be plumb and true, surface deviation should not exceed 1/4" in 10'. Patching, leveling or areas requiring a mortar bed should be prepared using Mer-Krete's Underlayments. Movement (Expansion) joints should be provided to comply with TCA method EJ 171.

Plywood Substrates

Maximum joist spacing should be 16" on center. Plywood should be exterior grade only. Maintain a gap of 3/16" between plywood underlayment sheets edges and all that abut walls, columns, posts and adjacent sheets. All plywood installations should be use in interior areas only and protected from exposure to moisture.

Cementitious Substrates

All concrete substrates should be cured a minimum of 28 days. Smooth steel troweled floors should be roughed up using mechanical chipping, scraping or shot blasting. Dampen porous or dry concrete previous to installation of tile. Do not leave puddles or standing water.

Cement Backer Board

Follow cement board manufacturer's instructions.

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MIXING

In a clean container, add approximately 5 quarts (4.7 liters) of clean potable water. Then add the contents of the 50 lb. (22.7 kg) 7d10 Multi Purpose Thin Set mortar. Mix thoroughly by hand or with a slow speed mixer to a smooth, thick, trowelable consistency. Allow mortar to slake for approximately 15 minutes, and then remix before using. Remix without adding additional water or powder. Mortar consistency shall be such that when applied with the recommended notched trowel to the substrate, the ridges formed in the mortar do not flow or slump. During use, stir mortar mix occasionally. Do not temper with additional water. Do not add latex liquid to **7d10 Multi Purpose Thin Set**.

APPLICATION

Apply mortar to the substrate with the flat side of the trowel, with enough pressure to firmly work into the surface. With a notched trowel, immediately follow with a heavier coat of material using the appropriate trowel and enough mortar to provide 100% coverage to the back of the tile. Some extruded or lug back tiles back-buttering of tiles may be required. Do not spread more mortar than can be covered in 20 minutes or before the mortar skins over. It is advised that during the installation, remove a tile to insure the mortar has not skinned over and check the tile and substrate mortar coverage. Comb the mortar using an appropriate notched trowel in one direction. Place tiles in mortar, slide back and forth perpendicular to the ridges (NTCA "Trowel and Error" method) to insure proper coverage. Do not adjust tiles set in mortar after 15 minutes.

CLEANING

Water is all that is needed to remove any uncured mortar from tiles, tools and equipment.

6. AVAILABILITY

Mer-Krete 7d10 Multi Purpose Thin Set is available at leading tile houses and construction distributors. Contact Mer-Krete for the name of the nearest dealer.

7. WARRANTY

5 year, 10 year and Limited Lifetime warranties are available. Contact Mer-Krete technical department for specific warranty information. Mer-Krete Systems warrants that this product meets applicable ANSI standards in force at the time of manufacture.

8. MAINTENANCE

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Mer-Krete Systems maintains technical field representatives available throughout the country. Call (800) 851-6303 for the nearest representative.

10. FILING SYSTEMS

Mer-Krete Architectural Product Catalog and CD Rom. www.merkrete.com

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